

Appendix 7-1: Publications and Reports by Affiliated Research Groups

Thomas Atkeson¹

OPEN LITERATURE PUBLICATIONS:

1999

- Benoit, J.M., C.C. Gilmour, R.P. Mason, and A. Heyes. 1999. Sulfide controls on mercury speciation and bioavailability in sediment pore waters. *Environ. Sci. Technol.* 33:951- 957.
- Bouton, S.N., P.C. Frederick, M.G. Spalding, H. McGill. 1999. Effects of chronic, low concentrations of dietary methylmercury on the behavior of juvenile great egrets. *Environmental Toxicology and Chemistry*. 18:1934-1999.
- Cai, Y., R. Jaffe, R.D. Jones. 1999. Interactions between dissolved organic carbon and mercury species in surface waters of the Florida Everglades. *Applied Geochemistry* 14:395-407.
- Frederick, P.C., M. G. Spalding, M.S. Sepulveda, G. E. Williams Jr., L. Nico and R. Robbins. 1999. Exposure of Great Egret nestlings to mercury through diet in the Everglades of Florida. *Environmental Toxicology and Chemistry* 18:1940 – 1947.
- Goodman, L.R., M.A. Lewis, J.M. Macauley, R. Smith, Jr., J.C. Moore. 1999. Preliminary survey of chemical contaminants in water, sediment, and aquatic biota at selected sites in northeastern Florida Bay and Canal C-111. *Gulf of Mexico Science*. 1:1-16.
- Ravichandran, M., G.R. Aiken, J.N. Ryan and M.M. Reddy. 1999. Enhanced dissolution of cinnabar (mercuric sulfide) by dissolved organic matter isolated from the Florida Everglades. *Environ. Sci. Technol.* 33:1418-1423.
- Sepulveda, M.S., P.C. Frederick, M.G. Spalding, and G.E. Williams, Jr. 1999. Mercury contamination in free-ranging great egret nestlings (*Ardea albus*) from southern Florida. *Environmental Toxicology and Chemistry* 18:985-992.
- Sepulveda, M.S., G.E. Williams, P.C. Frederick, and M.S. Spalding. 1999. Effects of mercury on health and first year survival of free-ranging Great Egrets (*Ardea albus*) from southern Florida. *Archives of Environmental Contamination and Toxicology* 37:369-376.

¹ DEP Mercury Coordinator

IN PRESS OR REVIEW

- Benoit, J.M., R.P. Mason and C.C. Gilmour. *In Press*. Estimation of mercury-sulfide speciation and bioavailability in sediment pore waters using octanol-water partitioning. *Environ. Toxicol. Chem.*
- Bouton, S. N., P. C. Frederick, M. G. Spalding and H. Lynch. *In Press*. The effects of chronic, low concentrations of dietary methylmercury on appetite and hunting behavior in juvenile Great Egrets (*Ardea albus*). *Environmental Toxicology and Chemistry* 18:1934-1939.
- Cleckner, L. B., C. C. Gilmour, J. P. Hurley and D. P. Krabbenhoft. *In Press*. Mercury methylation in periphyton of the Florida Everglades. *Limnology and Oceanography*.
- Dvonch, J.T., et al. *In Press*. Utilization of elemental tracers to source apportion mercury in south Florida.
- Gustin, M-S., S. E. Lindberg, et. al. *In Review*. Nevada StoRMS mercury emissions project: Towards an understanding of mercury fluxes from natural sources. *J. Geophys. Res.*
- Hoch, A.R., M.M. Reddy, and G.R. Aiken. *In Review*. Calcite crystal growth inhibition by humic substances. *Geochemical et Cosmochimica Acta*.
- Lange, T.R., F.J. Ware, and H.E. Royals. *In Press*. Range and extent of mercury contamination in fish from the Florida Everglades. *Trans. Amer. Fish Soc.* 124.
- Lindberg, S.E., P.J. Hanson, T.P. Meyers and K-Y Kim. *In Press*. Micrometeorological studies of air/surface exchange of mercury over forest vegetation and a reassessment of continental biogenic mercury emissions. *Atmos. Envir.*
- Lindberg, S.E., and T.P. Meyers. *In Prep*. Development of automated micrometeorological methods for measuring emissions of mercury vapor from wetland vegetation.
- Lindberg, S.E., and W.J. Stratton. *In Press*. Atmospheric mercury speciation: Concentrations and behavior of reactive gaseous mercury in ambient air. *Envir. Sci. & Technol.*
- Lindberg, SE, A. Vette, C. Miles, and F. Schaedlich. *In Press*. Application of an automated mercury analyzer to field speciation measurements: Results for dissolved gaseous mercury in natural waters. *Biogeochemistry*.
- Lindberg, SE and Hong Zhang. *In Review*. Air/water exchange of mercury in the Everglades II: Measuring and modeling evasion of mercury from Surface Waters.
- Lindberg, SE, and J Price. *In Press*. Measurements of the airborne emission of mercury from municipal landfill operations: A short-term study in Florida. *J. Air and Waste Man. Assoc.*
- Sepulveda, M.S. *In Press*. Mercury contamination in double-crested cormorants (*Phalacrocorax auritus*) from southern Florida.

- Spalding, M.G., P.C. Frederick, H. Lynch, S.N. Bouton, F. Burnett, and L. McDowell. *In Press*. Effects of methylmercury on growth, appetite, and tissue contamination of captive great egret nestlings. *Journal of Wildlife Disease*.
- Spalding, M.G., P.C. Frederick, H.C. McGill, I. Schumacher, C. Blackmore, L. Richey, J. Harrison, and F. Burnett. *In Press*. Effects of methylmercury on health of captive great egret nestlings. *Journal of Wildlife Disease*
- Zhang, H., and S.E. Lindberg. *In Press*. Air/water exchange of mercury in the Everglades I: The behavior of dissolved gaseous mercury (DGM). *Biogeochemistry*.
- Zhang, H. and S.E. Lindberg. *In Press*. Processes influencing the emission of mercury from soils: a conceptual model, *J. Geophys. Res.*

1998

- Bates, A., E.C. Spiker and C.W. Holmes. 1998. Speciation and isotopic composition of sedimentary sulfur in the Everglades, Florida, USA. *Chemical Geology*. 146:155-170.
- Carpi, A. and Lindberg, S.E. 1998. Application of a Teflon dynamic flux chamber for quantifying soil mercury fluxes: tests and results over background soils. *Atmos. Envir.* 5:873-882.
- Cleckner, L.B. P.J. Garrison, J.P. Hurley, and D.P. Krabbenhoft. 1998. Trophic transfer of methylmercury in the northern Everglades. *Biogeochemistry*, 40:347-361.
- Dvonch, J.T., J.R. Graney, F.J. Marsik, G.J. Keeler, R.K. Stevens. 1998. An investigation of source-receptor relationships for mercury in south Florida using event precipitation data. *The Science of the total Environment*. 213:95-108.
- Gilmour, C.C., G.A. Gill, M.C. Stordal, and E. Spiker. 1998. Mercury methylation and sulfur cycling in the Northern Everglades. *Biogeochemistry*.
- Gilmour, C.C., G.S. Riedel, M.C. Ederington, J.T. Bell, J.M. Benoit, G.A. Gill and M.C. Stordal. 1998. Methylmercury concentrations and production rates across a trophic gradient in the northern Everglades. *Biogeochemistry*. 40:327-345.
- Gottgens, J.F., B.E. Rood, J.L. Delfino, B.S. Simmers. 1998. Uncertainty in paleoecological studies of mercury in sediment cores. *Water, Air Soil Pollution*. 110:313-333.
- Guentzel, J.L., W.M. Landing, G.A. Gill, and C.D. Pollman. 1998. Mercury and major ions in rainfall, throughfall, and foliage from the Florida Everglades. *The Science of the Total Environment* 213, 43-51.
- Hurley, J.P., D.K. Krabbenhoft, L.B. Cleckner, M.L. Olsen, G. Aiken, and P.J. Rawlik. 1998. System controls on the aqueous mercury distribution in the northern Everglades. *Biogeochemistry*, 40:293-310.
- Jagoe, C.H., B. Arnold-Hill, G.M. Ynochko, P.V. Winder, I.L. Brisbin, Jr. 1998. Mercury in alligators (*Alligator mississippiensis*) in the southeastern United States. *The Science of the Total Environment*. 213:255-262.
- Krabbenhoft, D.P., J.P. Hurley, M.L. Olson, and L.B. Cleckner. 1998. Diel variability of mercury phase and species distribution in the Florida Everglades. *Biogeochemistry*, 40:311-325.

Landing, W.M., J.L. Guentzel, and J.J. Perry, Jr. 1998. Methods for measuring mercury and other trace species in rainfall and aerosols in Florida. *Atmos. Envir.* 5:909-918.

Marvin-DiPasquale, M.C. and R.S. Oremland. 1998. Bacterial methylmercury degradation in Florida Everglades peat sediment. *Environ. Sci. Technol.* 32(17):2556-2563.

Miles, C.J. and L.E. Fink. 1998. Monitoring and mass budget for mercury in the Everglades Nutrient Removal Project. *Archives of Environ. Contam. and Toxicol.* 35(4): 549-557.

Ravichandran, M., G.R. Aiken, M.M. Reddy and J.N. Ryan. 1998. Enhanced dissolution of cinnabar (mercuric sulfide) by dissolved organic matter isolated from the Florida Everglades. *Environ. Sci. Technol.* 32(21):3305-3311.

1997

Beyer, W.N., M. Spalding, D. Morrison. 1997. Mercury concentrations in feathers of wading birds from Florida. *Ambio* 26:97-100.

Dvonch, J.T., J.R. Graney, F.J. Marsik, G. Keeler and R.K. Stevens. 1997. An investigation of source-receptor relationships for mercury in south Florida using event precipitation data. *Sci. Total Environ.* 213: 95-108.

Eisemann, J.D., W.N. Beyer, R.E. Bennetts, A. Morton. 1997. Mercury residues in south Florida Apple Snails (*Pomacea paludosa*). *Bull. Environ. Contam. toxicol.* 58:739-743.

Heaton-Jones, T.G., B.L. Homer, D.L. Heaton-Jones, and S.F. Sundlof. 1997. Mercury distribution in American alligators (*Alligator mississippiensis*) in Florida. *J. Zoo and Wildlife Medicine* 28: 62-70.

Kim, K-H., Hanson, P.J., Barnett, M.O., and Lindberg, S.E. 1997. Biogeochemistry of mercury in the air-soil-plant system. *Met. Ions Biol.Syst.*, 34: 185-212.

Olson, M.L., L.B. Cleckner, J.P. Hurley, D.P. Krabbenhoft, and T.W. Heelan. 1997. Resolution of matrix effects on analysis of total and methyl mercury in aqueous samples from the Florida Everglades. *Fresenius J. Analytical Chemistry*, 358:392-396.

Sepulveda, M.S.. 1997. Mercury contamination of Great Egret (*Ardea albus*) nestlings from southern Florida and its effects on health and survival. Unpublished MS thesis, University of Florida, Gainesville FL.

1996

Hallam, T.G., T.L. Trawick, W.F. Wolff. 1996. Modeling effects of chemicals on a population: application to a wading bird nesting colony. *Ecological Modelling* 92:155-178.

Meyers, T.P., M.E. Hall, and S.E. Lindberg. 1996. Use of the modified Bowen ratio technique to measure fluxes of trace gases. *Atmos. Envir.* 30:3321-3329.

Vaithyanathan, P., C.J. Richardson, R.G. Kavanaugh, C.B. Craft, T. Barkay. 1996. Relationships of eutrophication to the distribution of mercury and to the potential for methylmercury production in the peat soils of the Everglades. *Environ. Sci. Technol.* 30:2591-2597.

1995

- Dvonch, J.T., A.F. Vette, G.J. Keeler, G. Evans, and R. Stevens. 1995. An intensive multi-site pilot study investigating atmospheric mercury in Broward County, Florida. *Water, Air & Soil Poll.* 80:169-178.
- Facemire, C., T. Augspurger, D. Bateman, M. Brim, P. Conzelmann, S. Delchamps, E. Douglas, L. Inmon, K. Looney, F. Lopez, G. Masson, D. Morrison, and A. Robison. 1995. Impacts of mercury contamination in the Southeastern United States. *Water, Air & Soil Poll.* 80:923-926.
- Fleming, L.E., S. Watkins, R. Kaderman, B. Levin, D.R. Ayyar, M. Bizzio, D. Stephens, and J.A. Bean. 1995. Mercury exposure to humans through food consumption from the Everglades of Florida. *Water, Air & Soil Poll.* 80:41-48.
- Gill, G.A., J.L. Guentzel, W.M. Landing, and C.D. Pollman. 1995. Total gaseous mercury measurements in Florida: The FAMS Project (1992-1994). *Water, Air & Soil Poll.* 80:235-244.
- Guentzel, J.L., W.M. Landing, G.A. Gill, and C.D. Pollman. 1995. Atmospheric deposition of mercury in Florida: The FAMS Project (1992-1994). *Water, Air & Soil Poll.* 80:373-382.
- R.E. Heuter, W.G. Fong, G. Henderson, M.F. French, and C.A. Manire. 1995. Methyl mercury concentration in shark muscle by species, size and distribution of sharks in Florida coastal waters. *Water, Air & Soil Poll.* 80:893-899.
- Jones, R.D., M.E. Jacobson, R. Jaffe, J. West-Thomas, C. Arfstrom, and A. Alli. 1995. Method development and sample processing of water, soil, and tissue for the analysis of total and organic mercury by cold vapor atomic fluorescence spectrometry. *Water, Air & Soil Poll.* 80:1285-1294.
- Keeler, G., G. Glinshorn, and N. Pirrone. 1995. Particulate mercury in the atmosphere: Its significance, transport, transformation and sources. *Water, Air & Soil Poll.* 80:159-168.
- Kim, K.-H., and S.E. Lindberg. 1995. Design and initial tests of a dynamic enclosure chamber for measurements of vapor-phase mercury fluxes over soils. *Water, Air & Soil Poll.* 80: 1059-1068.
- Landing, W.M., J.L. Guentzel, J.J. Perry, Jr., G.A. Gill, and C.D. Pollman. 1995. Methods for measuring mercury and other trace species in rainfall, aerosols and the atmosphere in Florida. *Water, Air & Soil Poll.* 80:285-290.
- Landing, W.M., J.J. Perry, Jr., J.L. Guentzel, G.A. Gill, and C.D. Pollman. 1995. Relationships between the atmospheric deposition of trace elements, major ions, and mercury in Florida: the FAMS Project (1992-1994). *Water Air Soil Pollut.* 80:343-352.
- Patrick, W.H., Jr., R.P. Gambrell, P. Parkplan, and T. Fang. 1995. Mercury in Everglades soils and plants in the Florida Everglades sugarcane area. *Water, Air & Soil Poll.* 80:609-614.

- Pollman, C.D., G.A. Gill, W.M. Landing, J.L. Guentzel, D. Bare, D. Porcella, E. Zillioux, and T. Atkeson. 1995. Overview of the Florida Atmospheric Mercury Study (FAMS). *Water, Air & Soil Poll.* 80:285-290.
- Rood, B.E., J.F. Gottgens, J.J. Delfino, C.D. Earle, and T.L. Crisman. 1995. Mercury accumulation trends in Florida Everglades and Savannas Marsh flooded soils. *Water, Air & Soil Poll.* 80:981-990.
- Shell, K.J., and L. Anderson-Carnahan. 1995. A Multi-media approach to permitting mercury releases from coal-fired power plants: *Water, Air & Soil Poll.* 80:1161-1170.
- Stober, Q.J., R.D. Jones, and D.J. Scheidt. 1995. Ultra trace level mercury in the Everglades ecosystem, a multi-media canal pilot study. *Water, Air & Soil Poll.* 80:285-290.
- Stratton, W.J. and S.E. Lindberg. 1995. Use of a refluxing mist chamber for measurement of gas-phase mercury (II) species in the atmosphere. *Water, Air & Soil Poll.* 80:1269-1278.
- 1994 & Prior**
- Bigler, W.J., F. Ware, T. Savage, S. King, and C. Hartwig. 1985. Heavy metals in fish and clams from the Chipola and Santa Fe rivers of north Florida. *Fla. Acad. Sci.* 9pp.
- Lange, T.R., H.E. Royals, and L.L. Connor. 1993. Influence of water chemistry on mercury concentration in largemouth bass from Florida lakes. *Trans. Amer. Fish. Soc.* 122:74-84.
- Lange, T.R., H.E. Royals, and L.L. Connor. 1994. Mercury accumulation in largemouth bass (*Micropterus salmoides*) in a Florida lake. *Arch. Environ. Contam. Toxicol.* 27:466-471.
- Loftus, W., D. Bass, Jr. 1992. Mercury threatens wildlife resources. U.S. National Park Service "Park Science" 12(4): 18-20.
- Spalding, M.G., R.D. Bjork, G.V.N. Powell, and S.F. Sundlof. 1994. Mercury and cause of death in Great White Herons. *J. Wildl. Manage.* 58(4):735-739.
- Sundlof, S.F., M.G. Spalding, J.D. Wentworth, C.K. Steible. 1994. Mercury in livers of wading birds (Ciconiiformes) in Southern Florida. *Arch. Environ. Contam. Toxicol.* 27:299-305.
- Trefry, J.H., N. Chen, R.P. Trocine, S. Metz. 1992. Impingement of organic-rich, contaminated sediments on Manatee Pocket, Florida. *Environmental Chemistry*. No. 3:161.
- Ware, F.J., H. Royals, and T. Lange. 1990. Mercury contamination in Florida largemouth bass. *Proc. Ann. Conf. Southeast Assoc. Fish and Wildl. Agencies*, 44:5-12.
- Winger, P.V., D.P. Schultz, and W.W. Johnson. 1985. Contamination from battery salvage operations on the Chipola River, Florida. *Proc. Ann. Conf. Southeast Assn. Fish and Wildl. Comm.* 139-145.
- Zillioux, E.J., D.B. Porcella, and J.M. Benoit. 1993. Mercury cycling and effects in freshwater wetland ecosystems. *Environ. Toxicol. Chem.* 12:2245-2264.

CONFERENCE PRESENTATIONS (NOT PUBLISHED):**1999**

Iverfeldt, Å., J. Munthe, R. Ferrara, N. Pirrone, T. Berg, P. Costa, R. Ebinghaus, H. Kock, J. Sommar, X. Feng, K. Gårfeldt, R. Stevens, G. Keeler, Y. Mamane, G. Tuncel, E. Nucaro, E. Sprovieri, E. Lanzillotta, S. Schminolke, A. Urba, and I. Wängberg. 1999. Intercomparison for atmospheric mercury measurements in Tuscany, Italy, 27th of June to 3rd of July, 1998. Mercury as a Global Pollutant – 5th Internat. Conf., May 23-28, Rio de Janeiro, Brazil.

Krabbenhoft, D. 1999. The Aquatic Cycling of Mercury in the Everglades (ACME) Project: A process-based investigation of mercury biochemistry in a complex environmental setting. P. 201, *In*, AWMA Specialty Conf., Mercury in the Environment. Minneapolis, MN, Sept. 15-17. Abstract.

Landing, W.M., J.J. Perry, Jr., J.L. Guentzel, and G.A. Gill. 1999. Transport of aerosol and reactive gaseous mercury and other chemical tracers across the Atlantic Ocean. Mercury as a Global Pollutant – 5th Internat. Conf., May 23-28, Rio de Janeiro, Brazil.

Lindberg, S.E., and T.P. Meyers. 1999. Natural mercury sources: gaseous emissions from subtropical wetlands in the Florida Everglades. Mercury as a Global Pollutant – 5th Internat. Conf., May 23-28, Rio de Janeiro, Brazil.

Lindberg, S.E., and Price, J.L. 1999. Airborne emissions of mercury from municipal landfill operations: a short-term measurement study in Florida. Mercury as a Global Pollutant – 5th Internat. Conf., May 23-28, Rio de Janeiro, Brazil. Mercury as a Global Pollutant – 5th Internat. Conf., May 23-28, Rio de Janeiro, Brazil.

Lindberg, S.E., W.J. Stratton, E. Prestbo, G. Keeler, R. Stevens, F. Schaedlich, and T. Atkeson. 1999. Concentrations and behavior of reactive gaseous mercury in ambient air: initial tests of an automated sampling approach. Mercury as a Global Pollutant – 5th Internat. Conf., May 23-28, Rio de Janeiro, Brazil.

Marsik, F.J., J.T. Dvonch, G.J. Keeler, M.S. Landis, J.R. Graney, Jr. 1997. The Use of WSR-88D Radar Data for source-apportionment of wet-deposition measurements from the 1995 SoFAMMS. Conference Proceedings from American Meteorological Society, Third Conference on atmospheric Chemistry, February 2-7, Long Beach, CA, 147-151.

Prestbo, E.M., R.K. Stevens, S. Lindberg, F.A. Schaedlich, D.R. Schneeberger, and G. Keeler. 1999. Design and performance of an atmospheric reference standard of Hg^0 and HgCl_2 and its use to evaluate several state-of-the-art Hg speciation measurement methods. Mercury as a Global Pollutant – 5th Internat. Conf., May 23-28, Rio de Janeiro, Brazil.

Ravichandran, M., G.R. Aiken, J.N. Ryan, and M.M. Reddy. 1999. Inhibition of precipitation and aggregation of metacinnabar (HgS) by humic substances isolated from the Florida Everglades. American Chemical Society, Div. Envir. Chem., 217th ACS Nat'l Mtg., May 17-19, Anaheim, CA, Mar. 21-25, 1999. Vol. 39, No. 1, pp. 316-317.

- Reddy, M.M., Aiken, G.R., and P.F. Schuster. 1999. Mercury dissolved organic carbon interactions in the Florida Everglades: A field and laboratory investigation. Proc. of the Interagency Symposium on South Florida Restoration Science Forum, May 17-19, 1999. Boca Raton, Fla.
- Sigler, S., S. Smith-Moore, P. Barrocas, W.M. Landing, and J.E. Cable. 1999. Historic mercury sedimentation in Lake Barco and Hg-DOC complexation: Results from the Florida Aquatic Ecosystem Mercury Cycling and Modeling Project. Mercury as a Global Pollutant – 5th Internat. Conf., May 23-28, Rio de Janeiro, Brazil.
- Stevens, R.K., F.A. Schaedlich, D.R. Schneeberger, E. Prestbo, S. Lindberg, and G. Keeler. 1999. Automated instrument designed to measure reactive gaseous mercury in near real time: design and operational characteristics. Mercury as a Global Pollutant – 5th Internat. Conf., May 23-28, Rio de Janeiro, Brazil.
- Stevens, R.K., R. Zweidinger, E. Edgerton, W. Mayhew, R. Kellog, G. Keeler. 1996. Source characterization in support of modeling the transport of mercury emissions in south Florida. Presented at: Measurement of toxic and Related Air Pollutants Symposium, May 7-9, Research Triangle Park, NC.

1998

- G.R. Aiken, Ravichandran, M., and M.M. Reddy, J.N. Ryan, and J. Tregellas. 1998. Interactions of dissolved organic carbon with mercury in the Everglades. 216th Nat. Mtg. Amer. Chem. Soc., Div. Of Environ. Chem., August 23-27, Boston, Ma.
- Ambrose, Jr., R.B. and R. Araujo. 1998. Applications of the Phase I Everglades Mercury Cycling Model. Environmental Research Laboratory, Office of Research and Development, U.S. Environmental Protection Agency, Athens, GA. 3rd Annual Everglades Mercury Workshop, Sheraton West Palm Beach Hotel, West Palm Beach, Florida. May.
- Chanton, J. 1998. Methane production and transport in the Everglades Nutrient Removal Project. Department of Oceanography, Florida State University, Tallahassee. 3rd Annual Everglades Mercury Workshop, Sheraton West Palm Beach Hotel, West Palm Beach, Florida. May.
- Cleckner, L.B., C.C. Gilmour, J.P. Hurley and D.P. Krabbenhoft. 1998. Mercury methylation in periphyton of the Florida Everglades. Water Chemistry Program, University of Wisconsin-Madison, Madison, WI. 3rd Annual Everglades Mercury Workshop, Sheraton West Palm Beach Hotel, West Palm Beach, Florida. May.
- Fink, L.E. and P.S. Rawlik. 1998. Screening-level ecological risk assessment for mercury in the Everglades. Water Resources Evaluation Department, South Florida Water Management District, West Palm Beach. 3rd Annual Everglades Mercury Workshop, Sheraton West Palm Beach Hotel, West Palm Beach, Florida. May.
- Gilmour, C.C., A. Heyes, J. Benoit, G. Reidel, J.T. Bell and G. Gill. 1998. Distribution and biogeochemical control of mercury methylation in the Florida Everglades. Annual Report for 1997. Academy of Natural Sciences, Estuarine Research Center, St. Leonard, MD. Contract C-7690 with the South Florida Water Management District. June.

- Harris, R. and C. Pollman. 1998. Everglades conceptual mercury cycling model. Tetra Tech Inc., 180 Forestwood Drive, Oakville, Ontario, Canada, L6J4E6. 3rd Annual Everglades Mercury Workshop, Sheraton West Palm Beach Hotel, West Palm Beach, Florida. May.
- Heyes, A., C.C. Gilmour, J. Benoit, G.S. Riedel and J.T. Bell. 1998. Smaller-scale variability in MeHg concentration and production and the influence of plant roots, vegetation type and density. The Academy of Natural Sciences, Estuarine Research Center, St. Leonard, MD 3rd Annual Everglades Mercury Workshop, Sheraton West Palm Beach Hotel, West Palm Beach, Florida. May.
- Krabbenhoft, D.P., M. Olson, J. Dewild, J. Hurley, G. Aiken, P. Schuster, L. Cleckner, J. Grimshaw, S. Lindberg and G. Keeler. 1998. Physical, biogeochemical and photochemical processes affecting mercury cycling in the Florida Everglades. U.S. Geological Survey, Madison, WI, et al.. 3rd Annual Everglades Mercury Workshop, Sheraton West Palm Beach Hotel, West Palm Beach, Florida. May.
- Lange, T.R., H.E. Royals and D.A. Richard. 1998. Long-term trends and bioaccumulation of mercury in fresh water fish from the Florida Everglades. Florida Game and Freshwater Fish Commission, Eustis. 3rd Annual Everglades Mercury Workshop, Sheraton West Palm Beach Hotel, West Palm Beach, Florida. May.
- Lindberg, S.E. and T.P. Meyers. 1998. Everglades mercury air/surface exchange study (E-MASE): Application of field methods and models to quantify mercury emission from wetlands at the Everglades Nutrient Removal Project (ENR), Florida. Oak Ridge National Laboratory and National Oceanic and Atmospheric Administration, Oak Ridge, TN. 3rd Annual Everglades Mercury Workshop, Sheraton West Palm Beach Hotel, West Palm Beach, Florida. May.
- Marvin-DiPasquale, M. and R.S. Oremland. 1998. Bacterial methylmercury degradation in Florida Everglades sediment and periphyton. U.S. Geological Survey, Menlo Park, CA. 3rd Annual Everglades Mercury Workshop, Sheraton West Palm Beach Hotel, West Palm Beach, Florida. May.
- Newman, J., E. Zillioux, E. Rich, W. Robertson, O. Owre. 1998. A Retrospective Study of Methyl and Total Mercury in Hair Samples of Museum Specimens of the Florida Panther. 3rd Annual Everglades Mercury Workshop, Sheraton West Palm Beach Hotel, West Palm Beach, Florida. May.
- Orem, W.H., A.L. Bates, H.E. Lerch and J.W. Harvey. 1998. Sulfur geochemistry of the Everglades: Sources, sinks and biogeochemical cycling. U.S. Geological Survey, Reston, VA. 3rd Annual Workshop of the South Florida Mercury Science Program, Sheraton Hotel, West Palm Beach, FL. May.
- Ravichandran, M., G.R. Aiken, M.M. Reddy and J.N. Ryan. 1998. Enhanced dissolution of cinnabar (mercuric sulfide) by dissolved organic matter from the Florida Everglades. 216th Nat. Mtg. Amer. Chem. Soc., Div. Of Environ. Chem., August 23-27, Boston, Ma.
- Reddy, M.M. and G.R. Aiken. 1998. Recent developments in modeling mercury fractionation-fulvic acid-sulfide mercury binding competition. U. S. Geological Survey, 3215 Marine Street, Boulder, CO. 3rd Annual Everglades Mercury Workshop, Sheraton West Palm Beach Hotel, West Palm Beach, FL. May.

1997

Reddy, M.M. and G.R. Aiken. 1997. Speciation and fractionation modeling studies - dissolved organic carbon (DOC)-mercury interactions. U.S. Geological Survey, Boulder, CO. Second Annual Workshop of the South Florida Mercury Science Program (SFMSP), Edgewater Hotel, Madison, WI. May.

1996 & Prior

Ambrose, R.B., Jr., K.-J. Shell, and I. Tsiros. 1996. An environmental screening model analysis of mercury in the Florida Everglades. 4th Internat. Conf. on Mercury as a Global Pollutant. Hamburg, August 4 - 8, 1996.

Bullock, O.R., Jr. 1996. Lagrangian modeling of mercury air emission, transport and deposition with source-type discrimination. 4th Internat. Conf. on Mercury as a Global Pollutant. Hamburg, August 4 - 8, 1996.

Dvonch, J.T., J.R. Graney, and G.J. Keeler. 1996. Atmospheric sources, transport and deposition of mercury in South Florida: The SUAMP Project. 4th Internat. Conf. on Mercury as a Global Pollutant. Hamburg, August 4 - 8, 1996.

Gill, G.A., E.M. Prestbo, B. Hall, N.S. Bloom, and S.E. Lindberg. 1996. Interferences in the collection of total gaseous mercury on gold-coated sand: Observations from South Florida. 4th Internat. Conf. on Mercury as a Global Pollutant. Hamburg, August 4 - 8, 1996.

Keeler, G.J., G. Glinshorn, and G. Evans. 1996. Dry deposition of atmospheric mercury: recent measurements and implications for future studies. 4th Internat. Conf. on Mercury as a Global Pollutant. Hamburg, August 4 - 8, 1996.

Landing, W.M., J.J. Perry, Jr., J.L. Guentzel, G.A. Gill, and C.D. Pollman. 1995. Relationships between the atmospheric deposition of trace elements, major ions, and mercury in Florida: The FAMS Project (1992-1994). 4th Internat. Conf. on Mercury as a Global Pollutant. Hamburg, August 4 - 8, 1996.

Lange, T.R., H.E. Royals, and F.J. Ware. 1996. Spatial and temporal patterns of mercury contamination in fish from the Florida Everglades. 4th Internat. Conf. on Mercury as a Global Pollutant. Hamburg, August 4 - 8, 1996.

Lindberg, S.E., T.P. Meyers, and J. Munthe. 1996. Micrometeorological studies of air/surface exchange of mercury vapor over lake Gardsjon, Sweden and in the Florida Everglades. 4th Internat. Conf. on Mercury as a Global Pollutant. Hamburg, August 4 - 8, 1996.

Perry, J.J., Landing, W.M., J.L. Guentzel, G.A. Gill, and C.C. Pollman. 1996. The relationships between mercury, trace metals, and major ions in precipitation collected in Florida: The Florida Atmospheric Mercury Study. 4th Internat. Conf. on Mercury as a Global Pollutant. Hamburg, August 4 - 8, 1996.

Prestbo, E.M., and N.S. Bloom. 1996. A global view of the sources and sinks for atmospheric organic mercury. 4th Internat. Conf. on Mercury as a Global Pollutant. Hamburg, August 4 - 8, 1996.

- Rood, B.E., W.J. Steever, J.F. Gottgens, J.J. Delfino. 1996. Mercury accumulation trends in a recently characterized sinkhole anomaly of the Florida Everglades. 4th Internat. Conf. on Mercury as a Global Pollutant. Hamburg, August 4 - 8, 1996.
- Stober, Q.J., R.D. Jones, D.J. Scheidt, and K. Thornton. 1996. Multi-media monitoring of mercury and associated parameters in the Everglades canal system. 4th Internat. Conf. on Mercury as a Global Pollutant. Hamburg, August 4 - 8, 1996.
- Stratton, W.J. and S.E. Lindberg. 1996. Studies of gas-phase mercury(II) in ambient air. 4th Internat. Conf. on Mercury as a Global Pollutant. Hamburg, August 4 - 8, 1996.
- Zweidinger, R.B., Stevens, R.K., and G. Keeler. 1996. Receptor modeling of atmospheric mercury in South Florida: Preliminary results. 4th Internat. Conf. on Mercury as a Global Pollutant. Hamburg, August 4 - 8, 1996.

AGENCY REPORTS & DOCUMENTS, THESES:

1999

- Frederick, P.C. and M.G. Spalding. 1999. Effects of Environmental methylmercury on survival and health of embryonic and juvenile wading birds. Final report to the Florida Depart. of Environmental Protection.. 29 may 1999, 39 pp., typescript.
- Lindberg, S.E., K. Roy, and J. Owens. 1999. PaMSWaD (Pathways of Mercury in Solid Waste Disposal): ORNL sampling operations summary and preliminary data report for PaMSWaD-I, Brevard County Landfill. A Report to the Florida Department of Environmental Protection.
- Lindberg, S.E., Zhang, H., and Meyers, T.P. 1999. Final Report: Everglades Mercury Air/Surface Exchange Study (E-MASE). South Florida Water Management District, West Palm Beach, FL.
- Lowentahal, D.H., W.H. White, and P. Saxena. 1999. Feasibility of receptor models for attributing atmospheric mercury concentrations to sources in south Florida. Report prepared for Electric Power Research Institute, 21 April 1999, 39 pp., typescript.
- SFWMD. 2000. Everglades Consolidated Report (report to the Florida Legislature on water quality research, monitoring and modeling). South Florida Water Management District, West Palm Beach, FL. January.
- SFWMD. 1999. Everglades Interim Report (report to the Florida Legislature on water quality research, monitoring and modeling). South Florida Water Management District, West Palm Beach, FL. January.
- SFWMD. 1999. The effect of best management practices on the loading of mercury species to the ENR Project: Monitoring Program (Project C-1). S. Florida Water Manage. Distr., Research Appraisal Division, West Palm Beach, Fla. 70 pp., typescript + Tables & Figs.
- Spalding, M.G. and P.C. Frederick. 1999. Effects of environmental methylmercury on survival and health of embryonic and juvenile wading birds. University of Florida, Gainesville. Final Report to the Florida Department of Environmental Protection, 29 May, 1999, 39 pp. Typescript.

1998

- Dvonch, J.T. 1998. Utilization of event precipitation data to establish source-receptor relationships for mercury deposited in south Florida. Ph.D. Thesis, School of Public Health, Univ. of Michigan, Ann Arbor. 178 pp.
- Lange, T.R., D.A. Richard and H.E. Royals. 1998. Trophic relationships of mercury bioaccumulation in fish from the Florida Everglades. FINAL Annual Report. Florida Game and Fresh Water Fish Commission, Fisheries Research Laboratory, Eustis, FL. Prepared for the Florida Department of Environmental Protection, Tallahassee, FL. April.
- Lindberg, S.E. and Myers, T.P. 1998. Application of field methods and models to quantify mercury emissions from wetlands at the Everglades Nutrient Removal Project (ENR). Environmental Sciences Division, Oak Ridge National Laboratory, Oak Ridge, TN and National Oceanic and Atmospheric Administration, ATDD, Oak Ridge, TN. Second Annual Report. Everglades Mercury Air/Surface Exchange Study (E-MASE). Prepared for South Florida Water Management District, West Palm Beach. February.
- Lindberg, S.E., et al. 1998. PaMSWaD (Pathways of Mercury in Solid Waste Disposal): ORNL sampling operations summary and preliminary data report for PaMSWaD-I, Brevard County Landfill. 26 pp, typescript.
- Loftus, W.F., J.C. Trexler, and R.D. Jones. 1998. Mercury transfer through an Everglades aquatic food web. Final Report, Contract SP-329, Florida DEP. December 1998.
- SFWMD. 1998. Everglades Nutrient Removal Project 1997 Monitoring Report. South Florida Water Management District, West Palm Beach, FL. March.
- RMB Consulting & Research. 1998 (Draft). South Florida mercury emissions inventory (1996). Draft Final Report prepared for Florida DEP. 136 pp, Typescript.
- Spalding, M.G. and P.C. Frederick. 1998. Effects of environmental mercury exposure on reproduction, health and survival of wading birds in the Florida Everglades. University of Florida, Gainesville. 3rd Annual Everglades Mercury Workshop, Sheraton West Palm Beach Hotel, West Palm Beach, Florida. May.
- USEPA. 1998. South Florida Ecosystem Assessment Vol. I. Final Technical Report. Phase 1 Monitoring for adaptive management: Implications for ecosystem restoration.. Region 4 and Office of Research and Development, Athens, GA. December. EPA-904-R-98-002.
- USEPA. 1998. South Florida Ecosystem Assessment Vol. II. Final Technical Report Appendices. Phase 1 Monitoring for adaptive management: Implications for ecosystem restoration.. Region 4 and Office of Research and Development, Athens, GA. December. EPA-904-R-98-002.

1997

- Aiken, G. and M.Reddy. 1997. Dissolved organic carbon in the Everglades, Florida. U.S. Geological Survey Program on the South Florida Ecosystem – Proceedings of the Technical Symposium in Ft. Lauderdale, Florida, August 25-27, 1997. U.S.G.S. Open-File Report 97-385, 4 pp.

- Charlton, S.R., C.L. Macklin, and D.L. Parkhurst, 1997. PHREEQCI A graphical user interface for the geochemical computer program PHREEQC. U.S. Geological Survey Water-Resources Investigations Report 97-4222.
- Frederick, P.C., M.G. Spalding, M. Sepulveda, G. Williams, S. Bouton, H. Lynch, J. Arrecis, S. Lorazal, and D. Hoffman. 1997. Effects of environmental mercury exposure on reproduction, health and survival of wading birds in the Florida Everglades - Final Report. Report to the Fla. Department of Environmental Protection, Tallahassee. 206 pp.
- Guentzel, Jane L. 1997. The atmospheric sources, transport and deposition of mercury in Florida. Ph.D. Thesis, Florida State University, Tallahassee, Fla. 177pp.
- Jordan, F. 1997. Fish studies in the Everglades Nutrient Removal Project: Ecology, density and biomass estimates and mercury levels. Phase 2 Report. Department of Biology and Marine Science, Jacksonville University, Jacksonville, FL. Submitted to SFWMD, West Palm Beach, FL. March.
- Lindberg, SE, Meyers, TP, and Miles, C. 1997. Everglades Mercury Air/Surface Exchange Study (E-MASE): Application of Field Methods and Models to Quantify Mercury Emission from Wetlands at the Everglades Nutrient Removal Project (ENR), Environmental Sciences Division, Oak Ridge National Laboratory, Oak Ridge, TN and National Oceanic and Atmospheric Administration, ATDD, Oak Ridge, TN. FIRST ANNUAL REPORT, South Florida Water Management District.
- Pirrone, N. and G.J. Keeler. 1997. A Computer-based Framework to model acceptable loadings of Mercury to the Atmosphere to protect Water Quality. Report submitted to USEPA Region 4, Air, Pesticides & Toxics Management Division, 61 Forsyth Street, Atlanta, Georgia 30303. 41 pp., Typescript.
- Prestbo, E.M. 1997. Mercury speciation in the boundary layer and free troposphere advected to South Florida: Phase I - Reconnaissance. Report to the Florida Department of Environmental Protection, Tallahassee. Frontier Geosciences, Seattle, WA.
- Reddy, M. and Aiken, G. 1997, Speciation and fractionation modeling studies - dissolved organic carbon (DOC)-mercury interaction. U.S. Geological Survey Program on the South Florida Ecosystem - Proceedings of the Technical Symposium in Ft. Lauderdale, Florida, August 25-27, 1997, U.S. Geological Survey Open-File Report 97-385, p. 73.
- SFWMD. 1997. Everglades Nutrient Removal Project: 1996 Monitoring Report, South Florida Water Management District. West Palm Beach, FL.
- Williams, G. W. Jr. 1997. The effects of methylmercury on growth and food consumption of Great Egret nestlings in the central Everglades. Unpublished MS thesis, University of Florida, Gainesville, FL.

1996

- Aiken, G. and Reddy, M., 1996, Interactions of mercury with dissolved organic carbon in the Florida Everglades, U.S. Geological Survey Fact Sheet FS-186-96.
- EPRI. 1996. Protocol for Estimating Atmospheric Mercury Deposition. Electric Power Research Institute Report No. TR-106768. EPRI, Palo Alto, Cal. 55 pp.

- FLDEP. 1996. The South Florida Mercury Science Program. Fla. Dept. Environ. Prot., Tallahassee. 4 pp.
- Gilmour, C.G. 1996. Summary of microbially mediated mercury aquatic biogeochemistry in the everglades - workshop participant. Expert Assistance Agreement Product, S. Fla. Water Manage. Distr., West Palm Beach. 26 pp, typescript.
- Interagency Mercury Science Program. 1996. South Florida Mercury Science Program Research Plan: Working Draft. Fla. Dept. Environ. Protection, Tallahassee.
- Jordan, F. 1996. Fish studies in the Everglades Nutrient Removal Project: Ecology, density and biomass estimates and mercury levels. Phase 1 Report. Department of Biology and Marine Science, Jacksonville University, Jacksonville, FL. Submitted to SFWMD, West Palm Beach, FL. March.
- Krabbenhoft, D.P. 1996. Mercury Studies in the Florida Everglades. USDI, US Geological Survey, Water Resources Div., Madison, Wis. 4 pp.
- Sepulveda, M.S. 1996. Mercury contamination in double-crested cormorants (*Phalacrocorax auritus*) from southern Florida. Report from University of Florida, Gainesville, FL to the Florida Department of Environmental Protection, Tallahassee, FL. 7 pp, typescript.
- SFMSP. 1996. Plan of Study. South Florida Mercury Science Program. Draft. Florida Department of Environmental Protection, Tallahassee, FL. And the South Florida Water Management District, West Palm Beach, FL. March.
- SFWMD. 1996. Everglades Nutrient Removal Project: 1995 Monitoring Report, South Florida Water Management District, West Palm Beach, FL.
- Stober, J., D. Scheidt, R. Jones, K. Thornton, R. Ambrose, and D. France. 1996. South Florida Ecosystem Assessment. Monitoring for adaptive management: Implications for ecosystem restoration (Interim report). USEPA Region 4, Science and Ecosystem Support Div., Athens, Ga. 27 pp.
- USGS. 1996. Interaction of Mercury with Dissolved Organic Carbon in the Florida Everglades. FS-186-96
- USEPA. 1996. South Florida Ecosystem Assessment Interim Report. Science and Ecosystem Support Division, Region 4 and Office of Research and Development, U.S. Environmental Protection Agency, Athens, GA. EPA-904-R-96-008. December.

1995 & Prior

- Atkeson, T. 1994. A proposal for intensive urban-air studies for mercury transport and deposition in conjunction with the Florida Atmospheric Mercury Study in the Everglades region of Florida. Dept. Environ. Protection, Tallahassee. 2pp, typescript.
- ATSDR. 1995. Health study to assess the human health effects of mercury exposure to fish consumed from the Everglades. Agency for Toxic Substances and Disease Registry, Div. of Health Studies, Atlanta, Ga. Publ. # PB95-167276.

- Baker, S.S. and R.L. Roberson. 1994. Overview: Mercury emissions from fossil fuel-fired electric generating units. Report to Florida Electric Power Coordinating Group, Inc., Mercury Subcommittee. Systems Applications Internat., Research Triangle Park, N. Car.
- Brim, M.S., D.H. Bateman, R.B. Jarvis, G.A. Carmody. 1993. Mercury concentrations in gafftopsail catfish of the Hobe Sound National Wildlife Refuge. U.S. Fish and Wildlife Service. Publication No PCFO-EC 93-01.
- Brim, M.S., D.H. Bateman, R.B. Jarvis, G.A. Carmody. 1993. Mercury concentrations in largemouth bass and other fishes of the Arthur R. Marshall Loxahatchee National Wildlife Refuge. U.S. Fish and Wildlife Service. Publication No. PCFO-EC 93-02.
- Cantillo, A.Y., T.P. O'connor, G.G. Lauenstein. 1993. South Florida Environmental Quality (Focus: Florida Bay, Hg in Sediment & Oysters. NOAA Technical Memorandum NOS ORCA 75, 82pp.
- Degner, R.L., C.M. Adams, S.D. Moss, and S.K. Mack. 1994. Per Capita Fish and Shellfish Consumption in Florida. Fla. Agr. Market Res. Ctr., Univ. Fla., Gainesville. Report to Fla. Dept. Environ. Protection., Tallahassee.
- Delfino, J.J., T.L. Crisman, J.F. Gottgens. B.E. Rood, and C.D.A. Earle. 1993. Spatial and temporal distribution of mercury in Everglades and Okefenokee wetland sediments: Final project report. Dept. Environ. Eng. Sci., Univ. Fla., Gainesville. Vol 1: 140 pp., Vol 2: 207 pp.
- Delfino, J.J., B.E. Rood, J.M. Andres, Jr., and C.D.A. Earle. 1994. Mercury spatial heterogeneity in Everglades soil cores and a comparison of mercury accumulated in wetlands and associated lakes: Final project report. Dept. Environ. Eng. Sci., Univ. Fla., Gainesville. Vol 1: 74 pp., Vol 2: 71 pp.
- EPA. 1994. Proceedings of the National Forum on Mercury in Fish. New Orleans. September 27-29.
- Expert Panel on Mercury Atmospheric Processes. 1994. Mercury Atmospheric Processes: A Synthesis Report. Electric Power Research Institute Report No. TR-104214. EPRI, Palo Alto, CA.
- Facemire, C.F., L. Chlebowski. 1991. Mercury Contamination in a Wood Stork (*Mycteria americana*) from West-Central Florida. U.S. Fish and Wildlife Service Report VBFO-91-C03. Vero Beach, Florida. 6pp.
- FLDEP. 1990. Mercury, Largemouth Bass, and Water Quality: A Preliminary Report. Florida Dept. Environ. Reg., Tallahassee. 54 pp.
- Florida Mercury in Fish and Wildlife Task force. 1990. Proceedings of Workshop on Mercury Contamination in Florida: Impacts and Solutions. Center for Biomedical & toxicological Research and Waster Management, Florida State University. June.
- FTN Assoc. 1995. Everglades mercury coordination workshop: Summary report. South Florida Mercury Science Program Ann. Workshop, West Palm Beach, Fla., 15 - 17, November 1994.

- Graves, D.G. and G.A. Strom. 1995. A Comparison of Mercury in Estuarine Fish: Florida Bay and Indian River Lagoon. Fla. Dept. Environ. Protection, Southeast Distr., Port St. Lucie. 34 pp.
- Hord, L.J., M.J. Jennings, A. Brunell. 1990. Mercury Contamination in Florida Alligators. Pp. 229-240 in Crocodiles: Proceedings of the 10th Working Meeting of the Crocodile Specialist Group, ICUN – the World Conservation Union, Gland, Switzerland. Vol. 1. ISBN 2-8327-0022-1. XVI +354pp.
- Jurczyk, N.U. 1993. An ecological risk assessment of the impact of mercury contamination in the Florida Everglades. M.S. Thesis, University of Florida, Gainesville. 119 pp., typescript.
- Kavanaugh, R.G., and T. Barkay. 1993. Methylation and demethylation processes in soils from the Florida Everglades: An interim report. USEPA ORD ERL-Gulf Breeze, Fla. 10 pp., typescript.
- Keeler, G.J., T. Dvonch, A. Vette. 1994. Broward County Mercury Measurement Technology Evaluation Study: Final Report. Air Quality Laboratory, University of Michigan, Ann Arbor. Fla. Dept. Environ. Protection, Tallahassee. 51 pp., typescript.
- KBN Engineering & Applied Sciences, Inc. 1992. Mercury emissions to the atmosphere in Florida. Final Report to the Florida Department of Environmental Regulation. KBN, Gainesville.
- KBN Engineering & Applied Sciences, Inc. 1994. Florida medical waste incinerator emissions: update to 1992 report. KBN, Gainesville.
- KBN Engineering and Applied Sciences, inc. 1994. Biological sampling and tissue analysis of fish collected in Palm Beach County, Florida. Prepared for Sugar Cane Growers Cooperative, inc.
- Mercury in Fish and Wildlife Task Force. 1990. A plan to guide multi-agency efforts to define and understand mercury accumulation in Florida fisheries. Fla. Dept. Health and Rehabilitative Serv., Tallahassee. 15 pp.
- Mercury Technical Committee. 1991. Interim report to the Florida Governor's Mercury in Fish and Wildlife Task Force and Florida Department of Environmental Regulation. Center for Biomedical and Toxicological Research, Florida State Univ., Tallahassee. 60 pp., Typescript.
- Ogden, J.C., W.B. Robertson, G.E. Davis, and T.W. Schmidt. 1974. Pesticides, polychlorinated biphenyls and heavy metals in upper food chain levels, Everglades National Par, and vicinity. US Dept. Interior, National Park Service. Nat. Tech. Inform. Serv. 24 pp.
- R.J. Pennington. 1989. Interim report on mercury concentration in the edible portion of largemouth bass and catfish from the Loxhatchee National Wildlife Refuge and the Everglades National Park. U.S. Fish and Wildlife Service, Vero Beach Field Office. 9pp.

- Portier, K.M., Y. Um, R.L. Degner, S.K. Mack, C.M. Adams. 1995. Statistical analysis of Florida per capita fish and shellfish consumption data. Fla. Agric. Market Res. Ctr., Univ. Fla., Gainesville. Report to Fla. Dept. Environ. Protection, Tallahassee.
- PTI Environmental Services. 1995. Ecological risks to wading birds of the everglades in relation to phosphorus reductions in water and mercury bioaccumulation in fishes. Prepared for Sugar Cane Growers Cooperative, inc. 39pp Plus Appendix.
- Roelke, M.E. 1990. Florida Panther Biomedical Investigation. Final performance report, statewide wildlife research, Panther Research. Fla. Game & Fresh Water Fish Comm., Tallahassee.
- Roelke, M.E., D.P. Schultz, C.F. Facemire, S.F. Sundlof, and H.E. Royals. 1991. Mercury contamination in Florida Panthers. A Report of the Florida Panther Technical Subcommittee to the Florida Panther Interagency Committee. Fla. Game and Fresh Water Fish Comm., Tallahassee. 62 pp.
- SFWMD. 1995. A mercury studies plan for the Everglades Nutrient Removal Project. S. Florida Water Manage. Distr., Research Appraisal Division, West Palm Beach, Fla. 51 pp., typescript.
- SFWMD. 1995. Everglades Nutrient Removal Project: Year 1 Synopsis. S. Fla. Water Manage. Distr., West Palm Beach. 4 pp.
- Sepulveda, M.S., M.G. Spalding, P.C. Frederick, G.E. Williams, S.M. Lorazel, D.A. Samuelson. 1995. Effects of elevated mercury on reproductive success of long-legged wading birds in the Everglades. Annual Report to the Florida Department of Environmental Protection. 53pp.
- Spalding, M.G., D.J. forrester. 1991. Effects of parasitism and disease on the nesting success of colonial wading birds (Ciconiiformes) in southern Florida. Florida Game and Fresh Water Fish Commission Nongame Wildlife Program. Final Report No. NG88-008.
- Stober, J., D. Scheidt, D. Hicks, D. France, J. Montanari, T. Atkeson, and L. Fink. 1993. Interagency scope of study of mercury contamination in the Everglades Ecosystem. USEPA Region 4, Environmental Services Div., Athens, Ga. 48 pp., typescript.
- Strom, D. and G. Graves. 1995. Mercury levels in marine fishes in south Florida. Florida Department of Environmental Protection, Pt. St. Lucie, FL. October.
- Technical Subcommittee, Florida Panther Interagency Committee. 1989. Status Report: Mercury contamination in Florida Panthers. Fla. Game & Fresh Water Fish Comm., Tallahassee. 49 pp.
- USEPA. 1993. Plan of study: Ecological risk assessment of mercury contamination in the Everglades area. USEPA Region 4, Environmental Serv. Div., Athens, Ga. 135 pp., typescript.
- USEPA. 1995. South Florida Atmospheric Mercury Monitoring Pilot Study Research Plan. USEPA ORD National Exposure Res. Lab, Source Apportionment Branch, Research Triangle Park, N. Car. 42 pp., typescript.
- U.S. Fish and Wildlife Service. 1989. Status Report on Mercury Contamination in Florida Panthers. Prepared for the Florida Panther interagency Committee. 44pp.

Watras, C.J. 1993. Potential impact of the Everglades Nutrient Removal Project on the Everglades mercury problem. Report to S. Fla. Water Mgmt. Distr., EV-930034. 33 pp, typescript.

ABSTRACTS:

Aiken, G., M. Ravichandran, M. Reddy and J. Ryan,. 1999. Inhibition of Precipitation of Metacinnabar (Mercuric Sulfide) by Dissolved Organic Matter Isolated from the Florida Everglades. AGU Spring Meeting, June 1-4. Boston, Ma.

Aiken, G.R. and Reddy, M.M. 1998. Dissolved organic carbon in the Everglades, Florida. AGU Spring Meeting, May 26-29, 1998, Boston, MA.

Aiken, G. and Reddy, M., 1997, Dissolved organic carbon in the Everglades, Florida USGS South Florida Symposium, Aug. 25-27, Fort Lauderdale, FL.

Aiken, G., Reddy, M., Tregellas, J., and Ravichandran, M. 1997. Dissolved Organic Carbon in the Everglades, Florida, presented during the Symposium on Refractory Organic Substances in the Environment, Oct. 6-8, 1997, University of Karlsruhe, Germany.

Harvey, J.W., Krupa, S.L., Mooney, R.H., Schuster, P. 1998. Are groundwater and surface water in the Northern Everglades connected by vertical hydrologic fluxes through peat? AGU Spring Meeting, May 26-29, 1998, Boston, MA.

Hoch, A.R., Reddy, M.M., and Aiken, G.R. 1998. Inhibition of calcite growth by natural organic material from the Florida Everglades at pH =3, 8.5 and 12.5. AGU Spring Meeting, May 26-29, 1998, Boston, MA.

Ravichandran, M., G.R. Aiken, , M.M. Reddy and J.N. Ryan. 1998. Enhanced dissolution of cinnabar (mercuric sulfide) by dissolved organic matter from the Florida Everglades. AGU Spring Meeting, May 26-29, 1998, Boston, MA.

Ravichandran, M., G.R. Aiken, J.N. Ryan, and M.M. Reddy. 1999. Inhibition of Precipitation and Aggregation of Metacinnabar (HgS) by Humic Substances Isolated from the Florida Everglades. 217th Nat. Mtg. Amer. Chem. Soc., Div. Of Environ. Chem., March 21-25, Anaheim, Ca.

Reddy, M. M. and G.R. Aiken. 1999. Speciation and fractionation modeling studies - Dissolved Organic Carbon (DOC)-mercury interaction ASLO Aquatic Sciences mtg., Feb. 1-5, Santa Fe, NM.

Reddy, M.M. and G.R. Aiken. 1997. Speciation and fractionation modeling studies dissolved organic carbon (DOC)- mercury interaction, presented during the 1997 South Florida Symposium, Aug. 25-27, Fort Lauderdale.

Reddy, M. M. and G.R. Aiken. 1998. Recent developments in Modeling Mercury Fractionation – Fulvic acid-sulfide mercury Binding Competition. USGS South Florida Restoration Science Forum, May 17-19, Boca Raton, Fla.

- Reddy, M.M. and G.R. Aiken. 1997. Speciation and fractionation modeling studies dissolved organic carbon (DOC)- mercury interaction, presented during the 1997 South Florida Symposium, Aug. 25-27, Fort Lauderdale.
- Reddy, M.M., Aiken, G., Harvey, J.W., Orem, W.H., 1996. Dissolved organic carbon (DOC)/fulvic acid ionic mercury interactions in the Everglades Water Conservation Areas. Surface and sediment pore water DOC concentrations and fulvic acid mercury binding potentials. Presented during the American Chemical Society Meeting, August 25-29, 1996, Orlando, FL.
- Reddy, M.M., and G.R. Aiken., and P.F. Schuster. 1999. Mercury-Dissolved Organic Carbon Interactions in the Florida Everglades: A field and laboratory investigation. USGS South Florida Restoration Science Forum, May 17-19, Boca Raton, Fla.
- Reddy, M.M., and G.R. Aiken. 1997. Speciation and fractionation modeling studies dissolved organic carbon (DOC)- mercury interaction. USGS South Florida Symposium, Aug. 25-27, Fort Lauderdale.
- Schuster, P. F., Reddy, M. M., Aiken, G. R., Hurley, J., and Krabbenhoft, D. F. 1998. Diel sulfide and dissolved oxygen concentration gradients at two sites in the Everglades, to be presented during the 1998 AGU Spring Meeting, May 26-29, 1998, Boston, MA.

WORLD WIDE WEB PUBLICATIONS:

- Reddy, M.M. , Aiken, G., Schuster, P.F., Gunther, C., Charlton, S., and Tregellas, J., 1996, Summary of data from onsite and laboratory analyses of surface water and marsh porewater from South Florida Water Management District water conservation areas, the Everglades, South Florida, March 1995. U.S. Geological Survey electronic publication available on the World Wide Web at http://sofia.usgs.gov/publications/fs/merc_carbon/data/
- South Florida Mercury Science Program. Mercury Web Page. <http://www.dep.state.fl.us/labs/programs/mercury/index.html>